KF5NBO

SARA SKYWAVES

AUGUST

THE NEXT SACHSE AMATEUR RADIO ASSOCIATION MEETING

Date and Time and Place: Thursday August 22, 2019 at 7:30pm at the Sachse Public Library Conference Room.

Presentation: Dipole Antenna Systems – **James Eatman KG5WAW**.

"MY CORNER OF THE SHACK"

It's hard to believe that we are just one month away from the election for club officers. This year has raced right by it seems and I am so proud of all that the membership of the club has been able to accomplish this year. We did Winter Field day for the first time, had a very successful Summer Field day, and Ham Radio in the park (we're working on another for when the temperatures drop a little). And we started an every other week simplex net on 146.40 Mhz that has proven very educational for those participating. We've learned the reach of our radios without the use of a repeater, learned more about relaying messages to the NCS when the NCS can't hear a reporting station. These are all things that may be needed in an emergency when repeaters are not available. I'd encourage you to join. They are on every other Tuesday night at 7:30. Watch for KC6TVF's weekly information email on specific dates or check the club calendar at our web site. [If you are not receiving this email and want to then please email "John Briggs, KC6TVF" at js_briggs@yahoo.com and let him know.]

We've also had some great presentations this year, AREDN, WinLink, Homemade Buddy Pole, and I can't wait to hear Jim's (KG5WAW) presentation on Dipole Antennas this month. For those that don't know Jim measures his QSO's in "Miles per Watt" and I think his furthest QSO is 1400 miles on 1w.

With the [calendar] year almost to an end we have just three more meetings and these are the presentations that are queued up for those remaining meetings:

- Aug – Dipole Antennas – Jim Eatman (KG5WAW)
- Sept – Board of Directors Election
- Oct – Sachse RACES/ARES – Chance Lindsey (KC5EOK)

The nominating committee (KC5EOK, Chance Lindsey, and KG5WHQ Lonnie Webb) have said they have at least one name for each Board of Directors position except one: Newsletter Editor. I mentioned on the last Ham Radio in Sachse Weekly Information Net that the Newsletter Editor is, in my opinion, one of the most important members of the BoD because without that person's efforts so much of what we have planned and do would not be known outside the club.

I wanted to share that our newsletter goes out to 100 email addresses every month and we only have 39 members for the 2018-19 year. So, the information that the Newsletter Editor pulls together each month is critical to our club's outreach and information sharing. John Abbott (KF5FWK) has been doing an absolutely fabulous job the past few years however, he has many things on his plate and has asked to step away from this role.

To that point, I wanted to share what this important role entails to help anyone who might consider this position as something they could make their decision and John has graciously shared the steps he goes through each month to put our newsletter together.

- Collect information from the emails that club members send with pictures and/or articles.
- Gather the minutes from the last General Club meeting.
- Gather information from the Public Information Officer of activities of and for the club.
- Photograph club meetings and special events for inclusion in the newsletter.
- Review the weekly ARRL newsletters for articles that may be of interest to the SARA Newsletter readers and capture them for inclusion in the upcoming newsletter.

- Remind yours truly to get his "My Corner of the Shack" article done and in before publishing time
- Format all of this information in to the newsletter (John recommends using the previous month's newsletter as a guide).
- Finally export to a PDF (John has recommended PDF995 because is produces the best PDF that he's found so far) and send it out to the more than 100 recipients.

If this all sounds like something you could do and have an interest doing please let Chance, Lonnie, or anyone else on the Board know and we'll be sure to put your name on next month's ballot for this very important role.

And speaking of the elections, it also time to renew memberships. You can do this on line at the club website (www.sachseradio.org) filling out the online form and submitting payment via PayPal or you can print a form and bring a check to the meeting giving to any officer. David, our Treasurer, has asked that everyone complete the application form so we can be sure the information the club's records is as accurate as possible, many of you have gotten license upgrades and we want to be sure to capture that. David has also asked that you put your check and application form in an envelope with your call sign on the front so he can keep everything in order.

Finally, I want to encourage you to join us at our August General Meeting on the 22nd at the Sachse Public Library starting at 7:30.

Hope to see you there.

73, W5JWS – John S

AT THE JULY SACHSE AMATEUR RADIO CLUB MEETING AWARDS WERE PASSED OUT

Lizzy Smyder – Ist Place – Antenna Build & Fox Hunt

Mark Mantooth – KI5CYA – New Ham
Jeff Feldman – KI5DDX – New Ham

Han Vo – KI5COI – Outstanding Achievement as Rookie Net Control

Jose Delgado – NP4NQ – Summer Field Day – 1st Place Most Contacts
John Findley – W5INF – Summer Field Day – 2nd Place Most Contacts
Doug Priebe – AG5HB – Summer Field Day – 3rd Place Most Contacts
Tricia Lindsey – K5TIL – Summer Field Day – Most Contacts – 1st Time Participant

WE HAD A VISIT BY THE ARRL NTX SECTION YOUTH COORDINATOR: KATHERINE FORSON, KT5KMF

MORE GREAT NEWS AT THE ARRL NORTH TEXAS NEWSLETTER JULY 2019

http://www.arrlntx.org/north-texas-newsletter-july-2019

Bring your cash to the August club meeting. Equipment from Charles Anderson, KE5RFS(SK) estate will be on sale.

Now is a great time to renew your SARA club membership. You need a current membership to vote in September.

SARA SKYWAVES

KF5NBO

AUGUST

TIME TO CATCH UP ON ALL THE NEWS

THE ARRL LETTER FOR MAY 23, 2019

MAGNETIC LOOP ANTENNA DESIGNS MULTIPLY

Magnetic loops have become popular as effective and compact antennas for traveling and stealth applications. An HF magnetic loop design by John Chappell, W3HX, was an honorable mention in the 2018 QST Antenna Design Competition. Chappell's mag loop offers coverage on 80 - 20 meters, and he runs FT8 at 50 W. See his article on page 39 of the June 2019 issue of QST.

The magnetic loop for 40 and 20 meters was designed by Richard Robbins, WA8RR. [Photo courtesy of DELARA News]

Richard Robbins, WA8RR, wanted to build one of his own for 40 and 20 meters, and he described his efforts in a recent edition of his club's newsletter, DELARA News - http://www.k8es.org/archives/2019_May/club_news.htm. An online calculator - http://www.66pacific.com/calculators/small-transmitting-loop-antenna-calculator.aspx - helped him come up with the basics, and he decided on a 10-foot circumference loop constructed from half-inch copper pipe that would handle 100 W. His prototype, constructed from a piece of pipe "hand bent into an approximate circle," a Dayton Hamvention flea market capacitor, and a coax drive loop, would tune the two bands -- although, as expected, tuning was very sensitive and affected by body capacitance.

He worked up a reduction drive and remote motorized tuning, and was able to make several FT8 contacts, using his antenna analyzer to tune the loop. "The tuning would shift as I was transmitting," Robbins recounted. "This is a result of a very high circulating current and heating of the separate components." Encouraged, he went for a higher-end design constructed around a 5 - 500 pf vacuum variable capacitor, the project's most expensive component (these go for $150 or more on eBay). "It is big and heavy," Robbins said. He had a metal fabricator bend a new piece of thin-wall copper tubing into a more aesthetically pleasing circle.

"To drive the capacitor, I obtained a stepper motor and driver, an Arduino controller board, and a four-channel remote," Robbins explained. "I used some sample programs to develop the code that would move the capacitor at different speeds depending on how long the remote was pressed. I added markings on the capacitor, so I could quickly move to different bands." -- Thanks to DELARA News

THE ARRL LETTER FOR JUNE 27, 2019

PETITION FOR RULEMAKING ASKS FCC TO CREATE A NEW 8-METER AMATEUR BAND

The FCC has put on public notice for comment a Petition for Rulemaking (RM-11843) that seeks the creation of a new 8-meter Amateur Radio allocation on a secondary basis. The Petition suggests the new band could be centered on an industrial-scientific-medical (ISM) segment somewhere between 40.51 and 40.70 MHz. The spectrum between 40 and 41 MHz is currently allocated to the Federal Government and, as such, within the purview of the National Telecommunications and Information Administration (NTIA). ARRL member Michelle Bradley, KU3N, of Maryland, filed the Petition in May on behalf of REC Networks, which she founded and described in the Petition as "a leading advocate for a citizen's access to spectrum," including Amateur Radio spectrum.

"REC feels that the time is right for the Commission to open a Notice of Inquiry and eventually a Notice of Proposed Rulemaking, and in cooperation with the NTIA, this new band opportunity can be realized to spark the next generation of 'makers' in the fields of science, technology, education, and math (STEM), especially women and girls," Bradley told the FCC in the Petition. "The more opportunities we give to make things, the more opportunities we have to build a pool of experts in STEM, right here at home."

The Petition said the objective of a new band would be "an effort to foster experimentation into the propagation characteristics of this band midway between the 10- and 6-meter bands." An allocation in the 8-meter band is available to radio amateurs in Ireland, where the Irish Radio Transmitters Society has developed a band plan for 40 - 41 MHz.

"REC perceives this spectrum can be used for weak signal experimentation and eventually general amateur use, especially along transatlantic paths using CW, SSB, digital modes such as FT8 and digital voice," the Petition said. "As no radios are mass-produced for this band at this time, this opens up new opportunities for 'makers' to construct transmitters, receivers, and antenna systems that can be used in this spectrum."

REC anticipates "very low" usage of the new band, "with peak usage around sporadic-E episodes, operating events such as ARRL Field Day, and VHF contests, as well as during the peak of sunspot cycles," Bradley told the Commission. "[W]e feel that the sharing of 40 MHz can be accomplished in a manner that serves the needs of the Amateur Radio Service while meeting the organizational missions of Federal Government agencies that utilize this spectrum."

THE ARRL LETTER FOR JULY 11, 2019

FAA REAUTHORIZATION ACT OF 2018 CHANGES RECREATIONAL DRONE FLYING REQUIREMENTS

The FAA Reauthorization Act of 2018 includes changes to recreational drone flying in the US. Radio amateurs have used drones to inspect antenna systems and terrain and to carry support lines aloft, as well as for other purposes. The FAA considers those who fly their drones for fun as recreational users. The FAA Reauthorization Act of 2018 describes how, when, and where owners may fly drones for recreational purposes. These broad guidelines should apply to most Amateur Radio users of drones.

- Register as a "modeler." A registrant must be at least 13 years old and a US citizen or legal permanent resident. https://faadronezone.faa.gov/#/
- Label your model aircraft with your registration number.
- Fly only for recreational purposes.
- Follow the safety guidelines of a community-based organization (see below).
- Fly your drone at or below 400 feet when in uncontrolled or Class G airspace, and do not fly it in airspace where flight is prohibited.
- Keep your drone within your line of sight or within the line-of-sight of a visual observer who is co-located and in direct communication with the operator.
- Never fly near other aircraft, especially near airports.
- Never fly over groups of people, public events, or stadiums full of people.
- Never fly near emergencies such as any type of accident response, law enforcement activities, firefighting, or hurricane recovery efforts.

- Never fly under the influence of drugs or alcohol.

Recreational flyers who intentionally violate any of these safety requirements and/or operate in a careless and reckless manner could be liable for criminal and/or civil penalties. Read the Authorization for limited recreational operations as described in Section 44809 (PDF). All limited recreational operations should be conducted in accordance with this authorization.

For more information, read Advisory Circular 91-57B.
https://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/1036029

The FAA is upgrading the online system, known as LAANC (the Low Altitude Authorization and Notification Capability), so that recreational operations can get automated airspace authorizations to fly in controlled airspace.

The new law also will require that drone operators pass an online aeronautical knowledge and safety test and carry proof of test passage. The FAA is developing the test in consultation with stakeholders. Recreational flyers would have to pass the test, which could be administered electronically. The FAA will provide additional guidance and will notify when the test is available. The FAA also will issue guidance for how it will recognize community-based organizations.

THE ARRL LETTER FOR AUGUST 8, 2019

AMSAT AND ARISS DESIGNING AMATEUR RADIO SYSTEM FOR LUNAR GATEWAY

Details are still being fleshed out, but AMSAT and ARISS are working on the design of an Amateur Radio system for NASA's Lunar Gateway. As NASA explains, the Gateway "will be a small spaceship in orbit around the moon that will provide access to more of the lunar surface than ever before with living quarters for astronauts, a lab for science and research, ports for visiting spacecraft, and more." For NASA, the Lunar Gateway is "a spaceport for human and robotic exploration to the moon and beyond." For radio amateurs, the Lunar Gateway will represent the next step in moving ham radio away from low-Earth orbit and into deep space. Under the current timeline, initial sections of the Gateway are scheduled to launch in 2022, with the Gateway in lunar orbit by 2026.

"To make this happen, we are leveraging the work and expertise of the worldwide AMSAT organizations and the international ARISS community," ARISS-International Chair and AMSAT Vice President for Human Spaceflight Programs Frank Bauer, KA3HDO, said. "We have an international team working on this and are meeting twice a month to mature the concept." The ARISS concept was presented to NASA in May and got positive feedback, and was favorably received a few weeks later at the ARISS-International meeting in Montreal from the Canadian Space Agency's Gateway Program Manager.

"The Amateur Radio Exploration (AREx) team has done some really good work," Bauer continued. "The challenge for amateurs will be on the order of a 30 dB signal path loss as compared to LEO."

The Lunar Gateway will serve as a solar-powered communication hub, science lab, short-term habitation module, and a holding area for rovers and other robots that may be bound for the moon or for other planets. NASA is leading the project in collaboration with commercial and international partners, including all of the International Space Station partners.

"We need to develop a block diagram of a system and subsystems and find team members who want to work on each," Bauer said when the ARISS-International team met in Montreal. "We must set up requirements and interface documentation. We need to solidify the frequencies to use, working with the International Space Frequency Coordination Group."

THE ARRL LETTER FOR AUGUST 8, 2019

ARRL BOARD PLEDGES TO OPPOSE FRENCH PROPOSAL FOR 144 - 146 MHz

At its July meeting, the ARRL Board of Directors resolved that "at the appropriate time" ARRL will oppose a proposal by France to include 144 - 146 MHz among spectrum to study for non-safety Aeronautical Mobile Service applications with an eye toward sharing the spectrum with the Amateur Services. The action came as the Board met July 19 - 20 in Windsor, Connecticut for its second meeting of 2019.

The Board pointed out that 144 - 146 MHz is a primary global Amateur Radio allocation and the band enjoys widespread use for emergency communication. It also noted the investment by radio amateurs of money and effort to build repeaters, beacons, space infrastructure, and propagation research systems that have global reach. The AMSAT and ARISS communities would be severely affected, the Board observed.

ARRL International Affairs Vice President Jay Bellows, K0QB, advised that if it is added as an agenda item for study for WRC 2023, the Board should consider action.

Digital Communication Issues

The Board instructed Washington Counsel David Siddall, K3ZJ, to take appropriate steps to obtain FCC approval for several changes to the Part 97 Amateur Radio Service rules. The requested changes stemmed from discussions regarding the interference potential of automatically controlled digital stations (ACDS); the prohibition of Amateur Radio message traffic that's encoded to obscure its meaning, and false assertions that ARRL -- despite its record of steadfast opposition -- supports or encourages encrypted transmissions. The Board directed that the FCC be asked to make rule changes that would:

- Remove the current 300 baud rate limitation, subject to the conditions requested by ARRL.
- Authorize all automatically controlled digital (data) stations (ACDS) below 30 MHz, regardless of occupied bandwidth, to operate only within the ACDS bands designated in §97.221(b) of the Amateur Service rules.
- Require all digital mode stations operating with a bandwidth greater than 500 Hz to operate within the ACDS bands, whether or not these stations are automatically controlled.
- Limit the maximum bandwidth of digital mode signals below 29 MHz to 2.8 kHz.
- Reiterate to the FCC that ARRL's position is unchanged from that expressed in ARRL's 2013 comments on a Petition for Rulemaking (RM-11699) filed by Don Rolph, AB1PH. Those comments specifically addressed encryption of messages and made clear that such messages generally are prohibited in amateur communications by §97.113 of the FCC rules and by Article 25, §2 of the International Radio Regulations and should remain prohibited.

The Board also wants to request that the FCC remind radio amateurs "by whatever appropriate means available" of the current prohibition in §97.113(a)(4) and Article 25, §2 of the International Radio Regulations against transmitting "messages encoded for the purpose of obscuring their meaning."

ARRL-initiated mediation efforts for rival parties to reach consensus on all or some of the issues they raised in the so-called "Symbol Rate" proceeding ended a few days prior to the July Board meeting with useful discussion but no agreement among those parties on recommendations to the FCC.

Other Actions

The Board tasked its Administration and Finance (A&F) Committee to assess the feasibility of a Research Working Group (RWG) and, if warranted, to establish one. The group would help the Board and ARRL management to better gauge trends, collect more accurate membership information, and more closely track the progress of programs.

The Board directed that the rules for all ARRL contests be revised to require that each claimed contact include contemporaneous direct initiation by the operator on both sides of the contact. Contact initiation may be local or remote. The Board extended the same requirement to the DXCC program.

The Board voted to add a QRP Single Operator subcategory for the ARRL RTTY Roundup.

The Board acted to rescind its public censure of ARRL Southwestern Division Director Richard Norton, N6AA. The censure action, taken at a special Board meeting in November 2017, was based on Norton's alleged violation of the ARRL Policy on Board Governance and Conduct of Members of the Board of Directors and Vice Directors, adopted in January of that year and itself since rescinded.

Minutes of the July ARRL Board of Directors meeting are available on the ARRL website. Read more.

LOGIC SWITCH USES NO ELECTRIC CURRENT

The Smart2.0 Newsletter for May 13 reported on a logic switch that uses no electric current. According to the article, researchers at New York University say the new method of controlling magnetic circuits is energy efficient, promising lower heat and energy costs in applications such as large server farms or in the artificial intelligence arena, which requires massive amounts of memory.

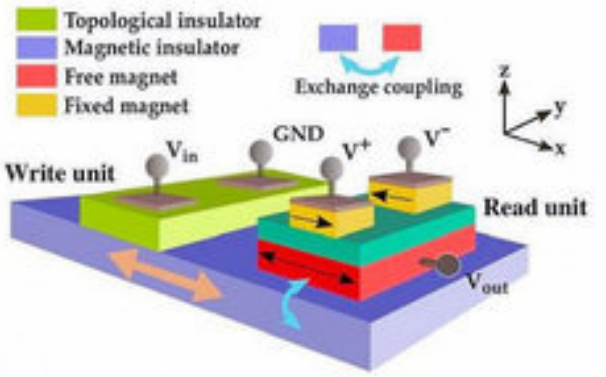

Image courtesy of Smart2.0 Newsletter

"The method uses a voltage-controlled topological spin switch (VTOPSS) that requires only electric fields, rather than currents, to switch between two Boolean logic states, greatly reducing the heat generated and energy used," the article explains. "Spin can be transported without a charge with the use of a topological insulator -- a material whose interior is insulating but that can support the flow of electrons on its surface."

Compared with existing spin-based devices, researchers claim the VTOPSS offers 10 to 70 times lower energy dissipation and 70 to 1,700 times lower energy-delay product. The VTOPSS technology, the researchers add, "offers competitive metrics compared with existing CMOS technology, and interconnect issues that dominate the performance in CMOS logic are relatively less significant for the VTOPSS, enabling it to switch between two states more effectively."

"Imagine if you were preparing a recipe and had to go into a different room anytime you needed an ingredient before returning to the kitchen to add it," says NYU Tandon School of Engineering Assistant Professor Shaloo Rakheja, the principal author of an academic paper on VTOPSS. "It's just as inefficient when the portions of computing hardware needed to do a calculation and the portions needed to store it are not well integrated."

The article noted that VTOPSS can reduce reliance on cloud memory, potentially making computing safer, because it would be harder for to gain access to a system's hardware.

SARA SKYWAVES

KF5NBO

AUGUST

SACHSE AMATEUR RADIO ASSOCIATION MONTHY CLUB MEETING, 07-25-2019

Mark Mantooth – KI5CYA – Award for New Ham

Jeff Feldman – KI5DDX – Award for New Ham

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AUGUST

SACHSE AMATEUR RADIO ASSOCIATION MONTHY CLUB MEETING, 07-25-2019

Lizzy Smyder – Award for Antenna Build & Fox Hunt: 1st Place

Jose Delgado – NP4NQ – Award for Summer Field Day – 1st Place, Most Contacts

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AUGUST

SACHSE AMATEUR RADIO ASSOCIATION MONTHY CLUB MEETING, 07-25-2019

Doug Priebe – AG5HB – Award for Summer Field Day – 3rd Place, Most Contacts

Mike, KG5MCC, Mark, KI5CYA; Jeff, N5LOC

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AUGUST

SACHSE AMATEUR RADIO ASSOCIATION MONTHY CLUB MEETING, 07-25-2019

Katherine Forson, KT5KMF, ARRL North Texas Youth Coordinator
Lizzy Smyder, Award for Antenna Build & Fox Hunt: 1st Place
Alyssa, Honored Guest
Devon, Honored Guest

Photographs of the July Sachse Amateur Radio Association monthly club meeting were taken by John Briggs, KC6TVF.

Photographs of the Sachse Amateur Radio Association QSO breakfast below were presented by John Briggs, KC6TVF.

Please join us on the net (145.250 MHz, 141.3 PL) on Wednesdays at 8pm.

SARA SKYWAVES

KF5NBO

AUGUST

SACHSE AMATEUR RADIO ASSOCIATION – SATURDAY BREAKFAST – 07/27/2019

See the photograph on page 17. QSO breakfast has really improved over the years. Let's keep it up.

Please join us on the net (145.250 MHz, 141.3 PL) on Wednesdays at 8pm.

SACHSE AMATEUR RADIO ASSOCIATION – SATURDAY BREAKFAST – 08/03/2019

See the photograph on page 17. QSO breakfast has really improved over the years. Let's keep it up.

Please join us on the net (145.250 MHz, 141.3 PL) on Wednesdays at 8pm.

SUBJECT: CHARLES', KE5RFS(SK), ESTATE EQUIPMENT FOR SALE

This is what I have left from Charles ham estate equipment. This is at least the bigger stuff. I have bags of junk drawer stuff I will bring to the next meeting. I will put this out on a table with a donation bowl.

Equipment:

Yaesu FT-1802 VHF mobile radio, 50 watt, 2 meter

Astron RS-7A Power Supply

Juentai VHF/UHF compact mobile radio, 25 watts

Diamond SG7900 Super-gainer, 62 inch tall mobile antenna, 2 each, 1 NMO mount style, 1 UHF mount style w/ uhf to NMO adapter

Mirage B-310-G 2 meter power amplifier, VHF, HT AMP, 3W-IN, 100W-OUT, 144-148 MHZ

MFJ-921 144 - 220 Mhz Tuner

Kay Electric Step Attenuator, 1/430 CD, 22.1 db, 50 ohm, 1/2 watt

Magnetic mount antenna, 2 each, VHF/UHF

Hudinco FSI-1 Field Strength Indicator

John Briggs
KC6TVF

THE NEXT SACHSE AMATEUR RADIO ASSOCIATION MEETING

Date and Time and Place: Thursday August 22, 2019 at 7:30pm at the Sachse Public Library Conference Room.

Presentation: Dipole Antennas by Jim Eatman, KG5WAW.

DO YOU HAVE A STORY FOR THE SARA NEWSLETTER

Send anything that you think should go into the newsletter to John, KF5FWK, at: sara.newsletter@ix.netcom.com.

SACHSE AMATEUR RADIO ASSOCIATION ACTIVITIES COMMITTEE

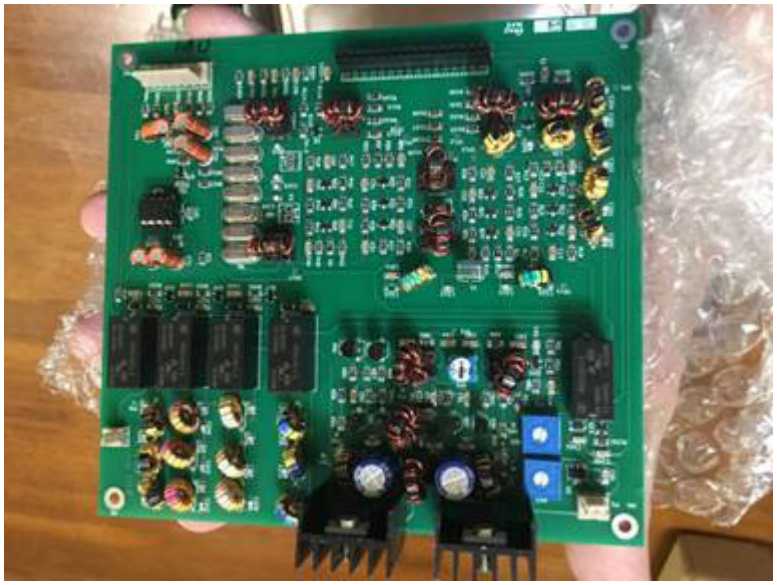
SARA vice-president Greg Kent, KK6AXF heads up the SARA Activities Committee. Anyone who is willing to help may contact Greg Kent, KK6AXF, at kk6axf@gmail.com.

SACHSE AMATEUR RADIO ASSOCIATION EDUCATION DIRECTOR

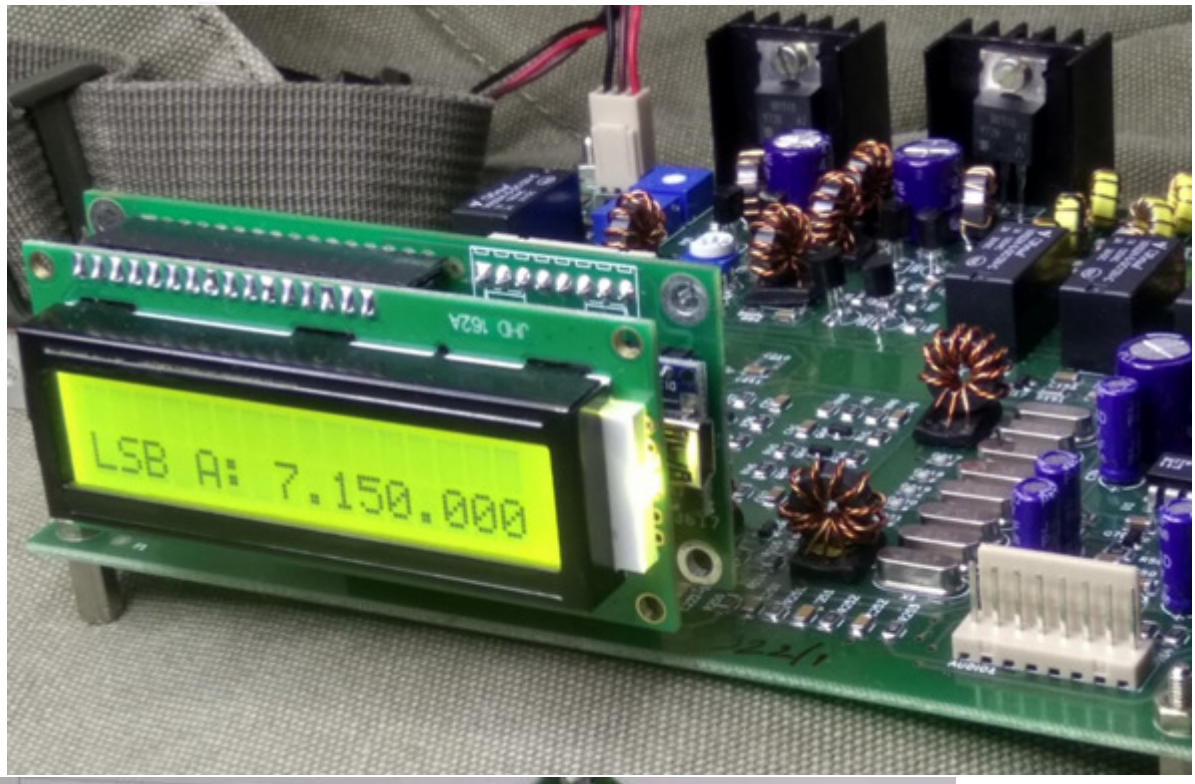
SARA education director Leroy Michalow, K5AXP, can use your assistance. If you can suggest or provide an educational program for the weekly NET or for the monthly club meeting please contact Leroy at: kf5dat@gmail.com.

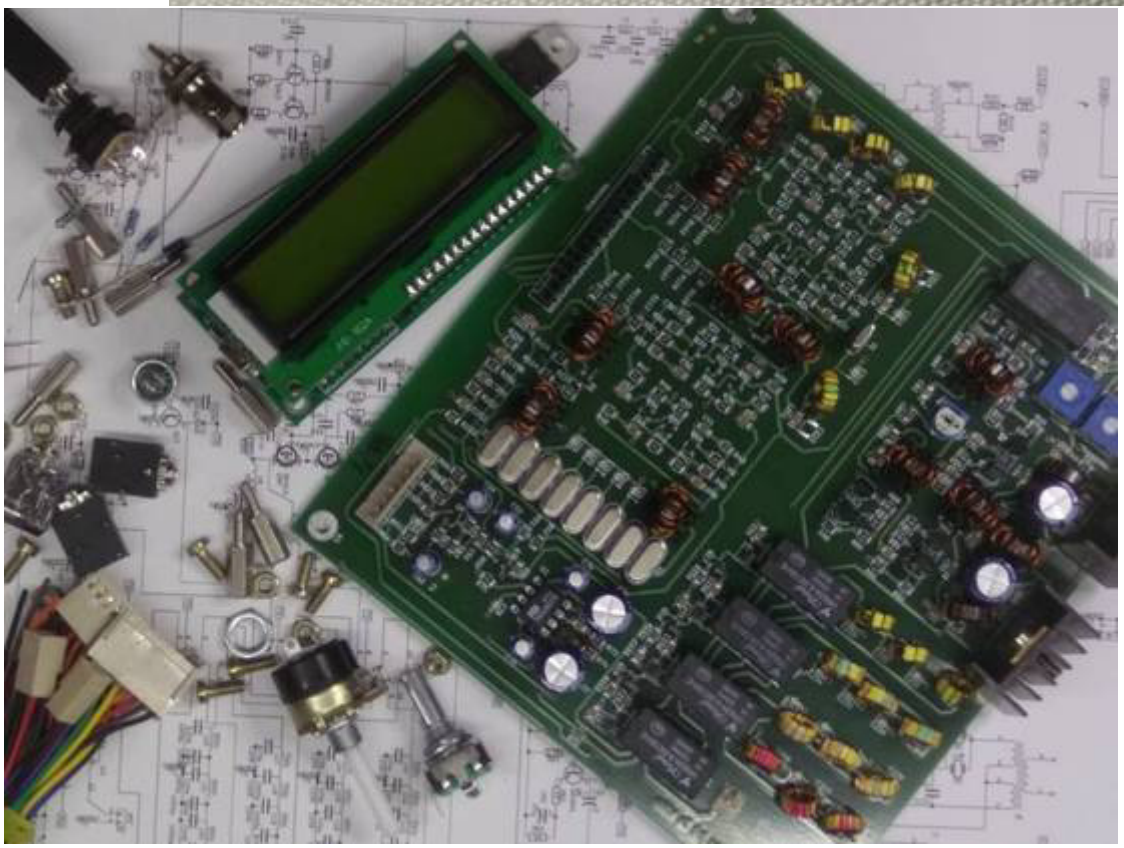
Please join us on the net (145.250 MHz, 141.3 PL) on Wednesdays at 8pm.

BUILD THE µBITX



By Lonnie Webb, KG5WHQ.



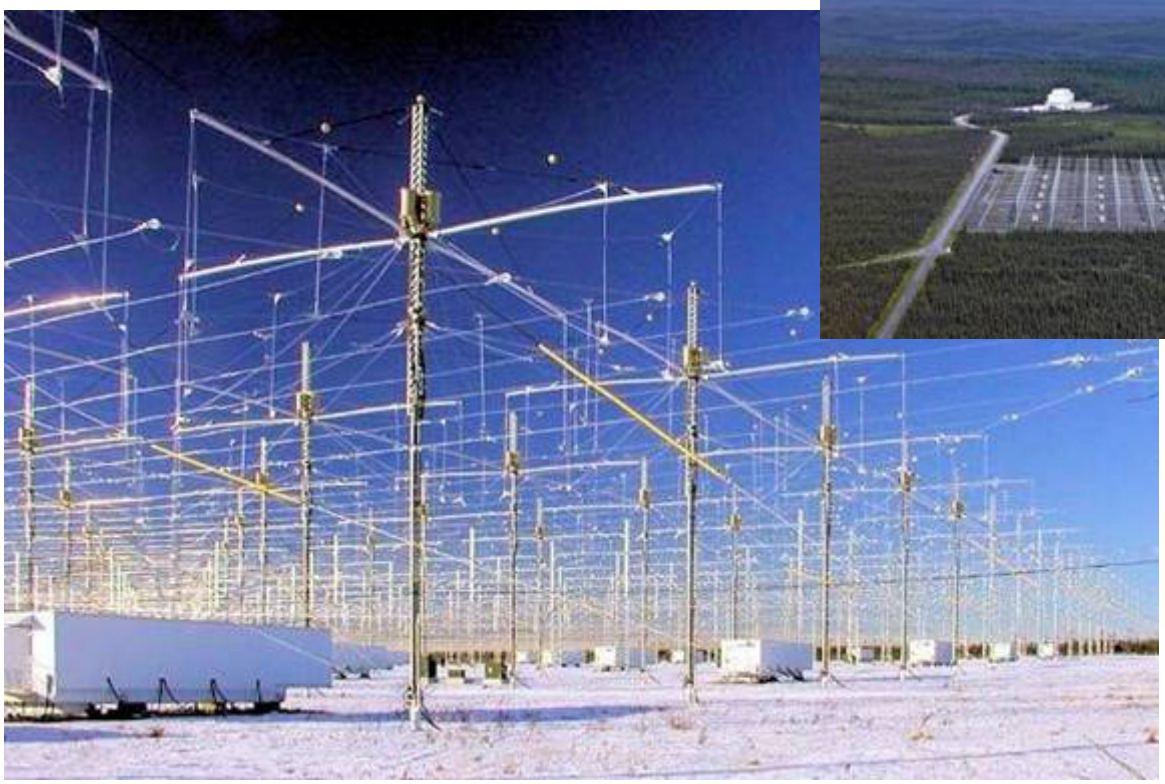


The µBITX is a general coverage HF SSB/CW transceiver kit with features you need for operating ease, convenience and versatility. It works from 3 MHz to 30 MHz, with up to 10 watts on SSB and CW with a very sensitive receiver. It features digital tuning, dual VFOs, RIT, CW Keyer and more. http://www.hfsignals.com/

More pictures from Lonnie Webb, KG5WHQ, who continues to work on his µBITX general coverage HF SSB/CW transceiver kit

Please join us on the net (145.250 MHz, 141.3 PL) on Wednesdays at 8pm.

PICTURES FROM THE PAST – MARCH 2017



Hidden in the Power Lines – Needs Some Attention – A1131183 – Height Above Ground is 150 feet

SARA SKYWAVES

KF5NBO

AUGUST

Sachse Amateur Radio Association Weekly Net Script

Version: 1.2b - June, 12 2019

Good evening and welcome to the "Ham Radio in Sachse" Weekly Information Net. My name is (name, call sign), and I will be your net control this evening. (pause) This net is heard every Wednesday evening at 8:00pm on the N5LOC repeater, which is on a frequency of 145.250 using a PL tone of 141.3. All licensed amateurs are invited and encouraged to participate, whether you are a club member or guest. (pause) This is a Directed Net. Please do not transmit unless directed to do so by Net Control. If at any time, you have an emergency to report, break in by saying "Priority" or "Emergency" followed by your call sign and the net will stand by. An emergency is defined as the imminent threat to life or property.
Is there any emergency, priority or time sensitive traffic at this time? (pause)

Check-Ins:
Before we begin, we will be taking check-ins, three at a time. If you would like to check into this net, please give your call sign, your name and repeat your Call Sign alphanumerically slowly, so Net Control can write [it] down.
(Write down and read back each call sign.) (Remember: Echolink users (if any) need a few extra seconds to respond.)

Club Announcements: Now is a good time for Net Control to ID.
Our first topic will be announcements from club officers. Any club officer on the net with an announcement, please give your call sign now.

Member & General Comments: Now is a good time for Net Control to ID.
Our next topic is member & general comments. Any member of the Sachse Amateur Radio Association, or anyone else on this net, who would like to make a comment, please give your call sign now.

Tech Talk: Now is a good time for Net Control to ID.
Our next topic is Tech Talk. Ask any questions you may have of a technical nature regarding amateur radio or computers. Feel free to share any information or share comments that you find to be valuable with the group. If anyone has an item for Tech Talk, please give your call sign now.

Swap Shop: Now is a good time for Net Control to ID.
Our next topic is Swap Shop. Anyone wishing to buy, sell, trade, or give away items related to ham radio or computers is invited to do so. Please do not haggle over price on the air. If anyone has an item for Swap Shop, please give your call sign now.

Education: Now is a good time for Net Control to ID.
Our next topic is Education. Anyone who has an education presentation they would like to make or want to suggest an item for a future presentation, please give your call sign now.

How Was Your HAM Week: Now is a good time for Net Control to ID.
Now for the fun part of our hobby, which is our next topic, is called "How Was Your HAM Week". This exercise allows any station to share anything related with HAM Radio, since our last Net Control or Monthly Meeting. Example topics can be "DX'ing Observations", "Experiences", "Challenges", "Lesson-Learn with your equipment", or even "Victories on a project". The goal of sharing is to forge relationships, as we are currently enjoying the hobby. Whether you are a member or guest, this exercise is voluntary. No station is under obligated to share anything. As your Net Control, I will start by briefly sharing my "Ham Week". Once done, the Net Controller will then ask if any station would like to share their "Ham Week". Simply give your Call Sign and Net Control will recognize the station and give them the platform to share
(Net Control – provide positive feedback on their topic.)

Cross-Talk: Now is a good time for Net Control to ID.
Our next topic is Cross-Talk. If anyone on the net has a need to talk direct to any other station on the net, please give your call sign now.

Late Check-Ins: Now is a good time for Net Control to ID.
Next Net Control would like to take late check-ins. If there are any late check-ins, whether RF or Echolink, please give your call sign and name slowly and clearly. (Write down and read back each call sign.)

Last Call:
Before we conclude the net, is there any other Stations wishing to report into the Net and/or have any comments?

Wrap-Up: Now is a good time for Net Control to ID.
This concludes the "Ham Radio in Sachse" Weekly Information Net. If you would like more information about the Sachse Amateur Radio Association, please visit our web site at www.sachseradio.org. This is (call sign) and we now return the N5LOC repeater to its normal use.

SACHSE SAVORY STUFF

Poor Mans Peach Cobbler

Feeds 3-4

Ingredients:

1 16 oz can of sliced peaches
1 box Jiffy Cake Mix
1 egg
1/2 cup water
Cinnamon Sugar

Pour peaches in 8 X 8 pan OR deep pie plate.
Prepare cake mix as directed on the box.
Pour over the peaches.
Sprinkle with the cinnamon sugar (as much or as little as you like).
Bake at 350 degrees for 30 minutes.

Top with whipped cream or ice cream and enjoy!

SARA SKYWAVES
KF5NBO
AUGUST

Sachse Amateur Radio Association
Meeting Minutes
July 25, 2019

Start time: 7:30 pm
Location: Sachse Library
Facilitator: John Smyder -- W5JWS, President

Opening

John Smyder – (W5JWS)

Opened the meeting by leading the Pledge of Allegiance
Everyone introduced themselves and gave their call sign

Attendees

15 members
9 guests

President's report – **John Smyder – (W5JWS)**

QSO breakfast – Saturday 8:00 at Woodbridge Café in Sachse
Next board meeting is Aug. 8th at W5JWS's home
Testing on Aug. 10th at the Wylie Masonic Lodge
Next general meeting is Aug. 22nd at 7:30
Nominating Committee

Lonnie Webb – KG5HGQ
Chance Lindsey – KC5EOK

Awards

Lizzy Smyder – Ist Place – Antenna Build & Fox Hunt
Mark Mantooth – KI5CYA – New Ham
Jeff Feldman – KI5DDX – New Ham
Han Vo – KI5COI – Outstanding Achievement as Rookie Net Control
Jose Delgado – NP4NQ – Summer Field Day – 1st Place Most Contacts
John Findley – W5INF – Summer Field Day – 2nd Place Most Contacts
Doug Priebe – AG5HB – Summer Field Day – 3rd Place Most Contacts
Tricia Lindsey – K5TIL – Summer Field Day – Most Contacts – 1st Time Participant

Vice-President – **Greg Kent – (KK6AXF)**

Activities Committee

Simplex net
2nd net will be on Tuesday, July 30th at 7:30 pm On frequency 146.4

Secretary – **Johnnie Young – (KG5CQO)**

Minutes have been submitted and are on the web site and in the newsletter

Motion to accept— David Mandala – (KG5WFS)
2nd to accept motion – Lonnie Webb – (KG5WHQ)
All agreed – motion passed

Treasurer – **David Mandala (KG5WFS)**

Report was presented and reviewed

Motion to accept Lonnie Webb – (KG5WHQ)
2nd to accept motion John Briggs – (KC6TVF)
All agreed – motion passed

Information Officer – **John Briggs (KC6TVF)**
Need volunteers for NCS
July 31– **Linda Smyder (K5LCS)**
Aug 7 – **Johnnie Young (KG5CQO)**
Aug 14 – **John Smyder (W5JWS)**
Aug 21 – **Mark Mantooth (KI5CYA)**
Simplex net
July 30 – **John Briggs (KC6TVF)**
Aug 13 – **Greg Kent (KK6AXF)**

Newsletter Editor – **John Abbott (KF5FWK)**
Not in attendance
News letter was sent via e-mail and is on the SARA web site
Always can use news articles and recipes
Take pictures at all events & send to **John Abbott – (KF5FWK)**
Take pictures of your antenna or shack set up
Info should be sent to **John Abbott (KF5FWK)** by the Monday before the next meeting

Director-at-large – **Jeff Locke – (N5LOC)**
Echolink is up and running

Education Officer – **Leroy Michalow – (K5AXP)**
July – Homemade Buddy Pole Antenna – **Mike Wideman KG5MCC**
Aug – Dipole – **James Eatman KG5WAW**
Sept – BOD Elections
Oct – Sachse- ARES/RACES – **Chance Lindsey KC5EOK**
Nov – none due to Thanksgiving
Dec – none due to Christmas

John Briggs – KC6TVF
Wylie Rodeo – Sept 6th & 7th
North Point Church – 15th Anniversary – Sept. 14th -- 3 pm to 7 pm

Bill Caldwell – AC5BC
Austin Hamfest – Aug 2nd and 3rd
Shreveport Hamfest – Aug 10th

Katherine Forson – KT5KMF – ARRL [North Texas] Youth Coordinator
Spoke about plans to get young people interested and involved in amateur radio

Lonnie Webb – KG5WHQ
QRP project for viewing during break

7:45 break
8:00 reconvened

Mike Wideman – KC5MCC
Homemade Buddy Pole Antenna
While explaining what material is needed to make this antenna, he was putting it together. He improved the antenna by using sprinkler riser instead of PVC.

Sprinkler riser is stronger and comes threaded. Adjusting the RF is a matter of pushing in the whips on each end.

This presentation included direction on how to make and connect the parts of this antenna, an easy process. He also compared cost to kits you can buy and making one out of PVC or sprinkler riser.

If you are interested you can find information at W3ffhomepage/homebrew-buddipole

If you would like a copy of needed material and the building directions you can e-mail Mike mjconstrux@yahoo.com

8:45

Motion to adjourn – **David Mandala – KG5WFS**
2nd the motion – **Mark Mantooth – KI5CYA**
All agreed
Meeting adjourned

NEED A SARA NAME BADGE

If you need a SARA name badge please go to https://namebadge.com/sachse.

Join in the fun. Don't be shy. Meet your fellow club members on the radio. Hear all the gossip. Learn a few things about amateur radio. Keep up to date on upcoming SARA amateur radio events.

Join in the fun. Become a Net Control Operator. You may find that you have a hidden talent. Try it once. If you like it sign up for more. Contact the SARA Public Information Officer John Briggs, KC6TVF for more information. jsbriggs@yahoo.com

Do you need to join or renew your membership in the Sachse Amateur Radio Association?
Print the next page, fill it out, and bring the form to the next club meeting.

KF5NBO

SARA SKYWAVES

AUGUST

Sachse Amateur Radio Association Membership Application

Sachse Amateur Radio Association Sachse, Texas 75048-3696 www.sachseradio.org kf5nbo@gmail.com

Type of Application: New Member ☐ **Renewal** ☐ **Date:**_____

Your Call Sign:_____ **Your License Class:**_____

Your Name:_____ **Spouses Name:**_____

Address:_____

City:_____ **State:**_____ **Zip:**_____

Home Phone:_____ **Work Phone:**_____

Cell Phone:_____ **Email:**_____

Membership Types: Please check only one option below:

☐ **Regular:** A regular member shall be any FCC licensed amateur radio operator who does not fall under the special provision of an associate or student membership. Regular member dues are $25.00 per year unless prorated (see below).

☐ **Family:** A family membership shall be any FCC licensed amateur radio operators and non-licensed family members interested in amateur radio who live in the immediate household. Family member dues are $30.00 per year unless prorated (see below).

☐ **Associate:** An associate member shall be any person maintaining membership to support the association but who does not hold a license as a radio amateur. Associate member dues are $10.00 per year and are not prorated.

☐ **Student:** A student member shall be any FCC licensed amateur radio operator who is currently enrolled as a full time student, is 18 years of age or younger, and is not otherwise eligible to be included in a family membership. Student member dues are $10.00 per year and are not prorated.

If selecting Family membership, please list the family members covered by this application.

Name:_____ **Email:**_____ **Call Sign (if any):**_____ **Lic Class:**_____

Name:_____ **Email:**_____ **Call Sign (if any):**_____ **Lic Class:**_____

Membership Dues: (Please check only one)

Dues are initially paid upon joining the association. Renewal dues are paid no later than the September meeting each year. A new application must be submitted each year as well. Dues are reduced (prorated) for Regular and Family members (only) who join or renew their membership after Dec 31st:

☐ Joining Sep 1 thru Dec 31, pay $25.00 for Regular dues, or $30.00 for Family dues.
☐ Joining Jan 1 thru Mar 31, pay $18.75 for Regular dues, or $22.50 for Family dues.
☐ Joining Apr 1 thru Jun 30, pay $12.50 for Regular dues, or $15.00 for Family dues.
☐ Joining Jul 1 thru Aug 31, pay $6.25 for Regular dues, or $7.50 for Family dues.

TOTAL DUE: $_____

Are you a current member of the ARRL? ☐ YES or ☐ NO (please chose one).

By submitting this application, either by hand or any electronic means, you hereby agree to abide by the rules and regulations of the Sachse Amateur Radio Association.

Signature:_____

Please join us on the net (145.250 MHz, 141.3 PL) on Wednesdays at 8pm.